

Patent Claims

1. Transport device (10) for sleeve-shaped covers (18) for cylinders in printing units (60) of a printing press (12), the device including a translation element (14) and a number of carrier elements (16) for sleeve-shaped covers (18), the carrier elements (16) being received on the translation element (14),
characterized in
that the movement of the translation element (14) causes at least a group of carrier elements (16) to be positioned in the vicinity of cylinders of the printing press (12) such that sleeve-shaped covers (18) received on the carrier elements (16) of the group are transferable directly from the carrier elements (16) to the cylinders or that sleeve-shaped covers (18) received on the cylinders are transferable directly to the carrier elements (16) of the group.
2. Transport device (10) according to claim 1,
characterized in
that at least one device for mounting (30) a plate-shaped printing master (44) to a sleeve-shaped cover (18) is provided at one position of the translation element (14).
3. Transport device (10) according to claim 2,
characterized in
that the device for mounting (30) comprises at least one heating element and/or a pressure element.
4. Transport device (10) according to one of the preceding claims,
characterized in
that at least one device for removing (70) a plate-shaped printing master (44) from a sleeve-shaped cover (18) is provided at one position of the translation element (14).
5. Transport device (10) according to claim 4,
characterized in
that the device for removing (70) comprises at least one suction device.

6. Transport device (10) according to claim 1,
characterized in
that the transport device (10) comprises a device for mounting (30) plate-shaped printing masters (44) to sleeve-shaped covers (18), the device for mounting (30) being integrated in the path of the web of printing material (20) in the printing press (12), and/or that the transport device (10) comprises a device for removing (70) plate-shaped printing masters (44) from sleeve-shaped covers (18), the device for removing (70) being integrated into the path of the web of printing material (20) in the printing press (12).
7. Transport device (10) according to one of the preceding claims,
characterized in
that the translation element (14) has a closed-loop transport path.
8. Printing press (12),
characterized by
at least one transport device (10) according to one of the preceding claims.
9. Method of changing sleeve-shaped covers (18) for cylinders in printing units (60) of a printing press (12) using a number of carrier elements (16) received on a translation element (14) and designed to carry sleeve-shaped covers (18),
characterized by
the steps of
 - positioning a group of empty carrier elements (16) in front of cylinders that carry sleeve-shaped covers (18) in printing units (60);
 - removing and directly transferring the sleeve-shaped covers (18) to the empty carrier elements (16);
 - positioning a further group of carrier elements (16) for receiving sleeve-shaped covers (18) in front of the cylinders;
 - directly transferring and mounting the sleeve-shaped covers (18) to the cylinders.
10. Method of changing sleeve-shaped covers (18) according to claim 9,

characterized by

- carrying out the aforementioned steps for transfer cylinder sleeves (76, 78) and transfer cylinders (64);
- carrying out the aforementioned steps for sleeve-shaped covers (18) with plate-shaped printing masters (44) and printing master cylinders (62).